

gaagtttgcg tgctgcc

atg gag acc aga gcc ttc tgg ata acc ctg ctg ctg gtc ctg gtt

gct ggg tcc tcc tgc aaa gcc cag gaa ttt gtt ggc cta tct cca

agc caa tgt atg gcg cca aca aat gtc agg gtg gac tgt aac tac

ccc act gtc aca tca gag cag tgt aac aac cgt ggt tgc tgt ttt

gac tcc agc atc cca aat gtg ccc tgg tgc ttc aaa cct ctg caa

gag aca gaa tgt aca ttt

tgaagctgtc caggctccag gaagggagct ccacaccctg gactcttgct

gatggtagtg gcccgaggta acactcacc ctgatctgct ccctcgcgcc

ggccaatata ggagctggga gtccagaaga ataaagacct tacagtcagc

acaaggctgt tctaattgcg g

17

62

107

152

197

242

260

310

360

410

431

Fig. 1

Met	Glu	Thr	Arg	Ala	Phe	Trp	Ile	Thr	Leu	Leu	Leu	Val	Leu	Val
				5					10				15	
Ala	Gly	Ser	Ser	Cys	Lys	Ala	Gln	Glu	Phe	Val	Gly	Leu	Ser	Pro
				20					25				30	
Ser	Gln	Cys	Met	Ala	Pro	Thr	Asn	Val	Arg	Val	Asp	Cys	Asn	Tyr
				35					40				45	
Pro	Thr	Val	Thr	Ser	Glu	Gln	Cys	Asn	Asn	Arg	Gly	Cys	Cys	Phe
				50					55				60	
Asp	Ser	Ser	Ile	Pro	Asn	Val	Pro	Trp	Cys	Phe	Lys	Pro	Leu	Gln
				65					70				75	
Glu	Thr	Glu	Cys	Thr	Phe									
				80										

Fig 2

rITF METRAFWITLLLVLVAGSSCKAQEFVGLSPSQCMAPTNVRVDCNYPTVTSEQCNNRGCC  
 pS2 -----EAQ-----TETCTVAPRERQNCGFPGVTPSQCANKGCC  
 PSP -----EKPAACRCSRQDPKN-RVNCGFPGITSDQCFTSGCC  
 rITF Loop 3=10 FDSSIPNVPWCFK-----PLQ-----ETECT-----F  
 pS2 FDDTVRGVPWCFY-----PNTIDVPPEEECE-----F  
 PSP FDSQVPGVPWCFK-----PLP-----AQESEECVMEV

Fig. 3

Y261541 - 1st 1969 - 1st 1970  
1st 1971 - 1st 1972 - 1st 1973  
1st 1974 - 1st 1975 - 1st 1976

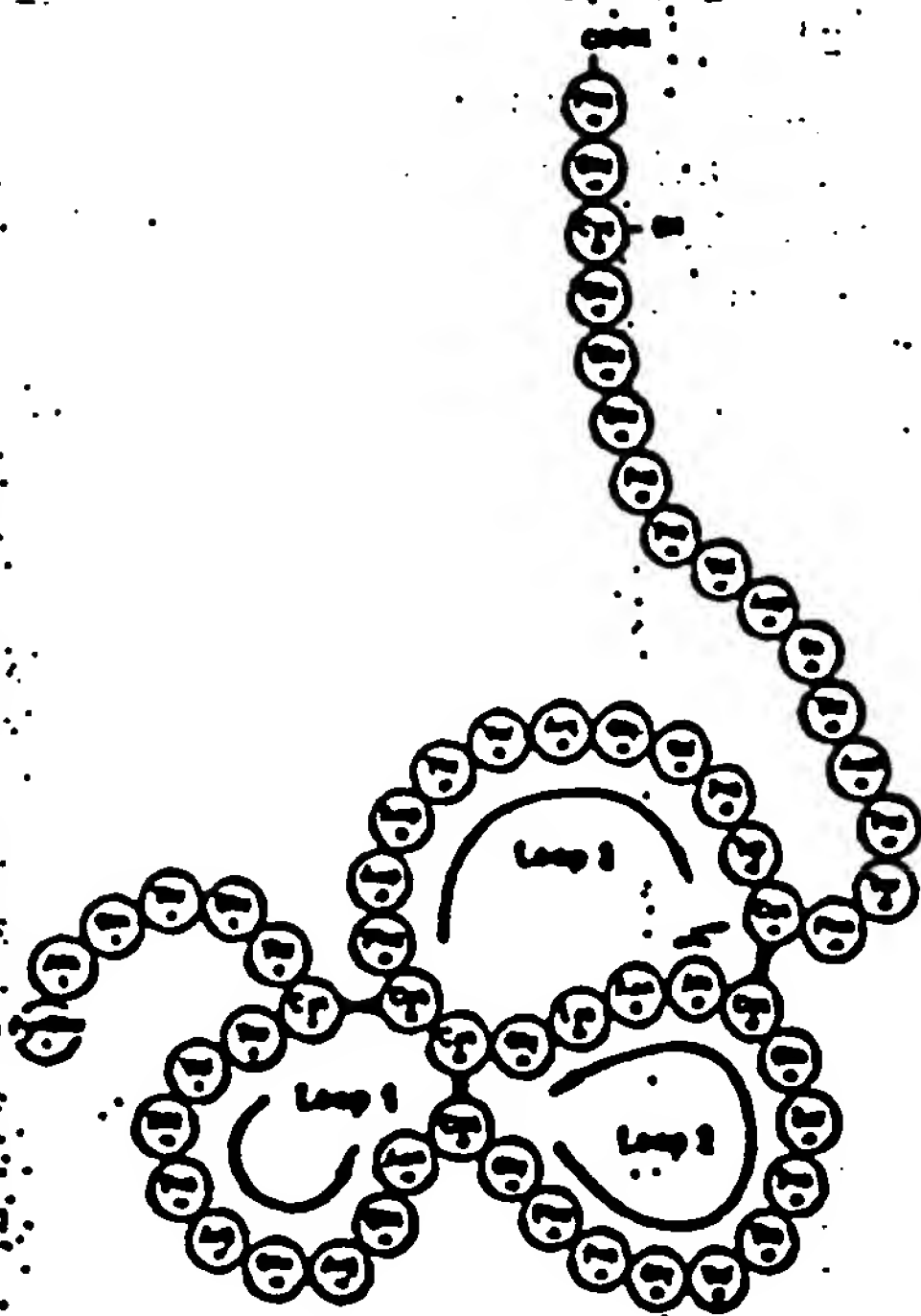


Fig. 4A

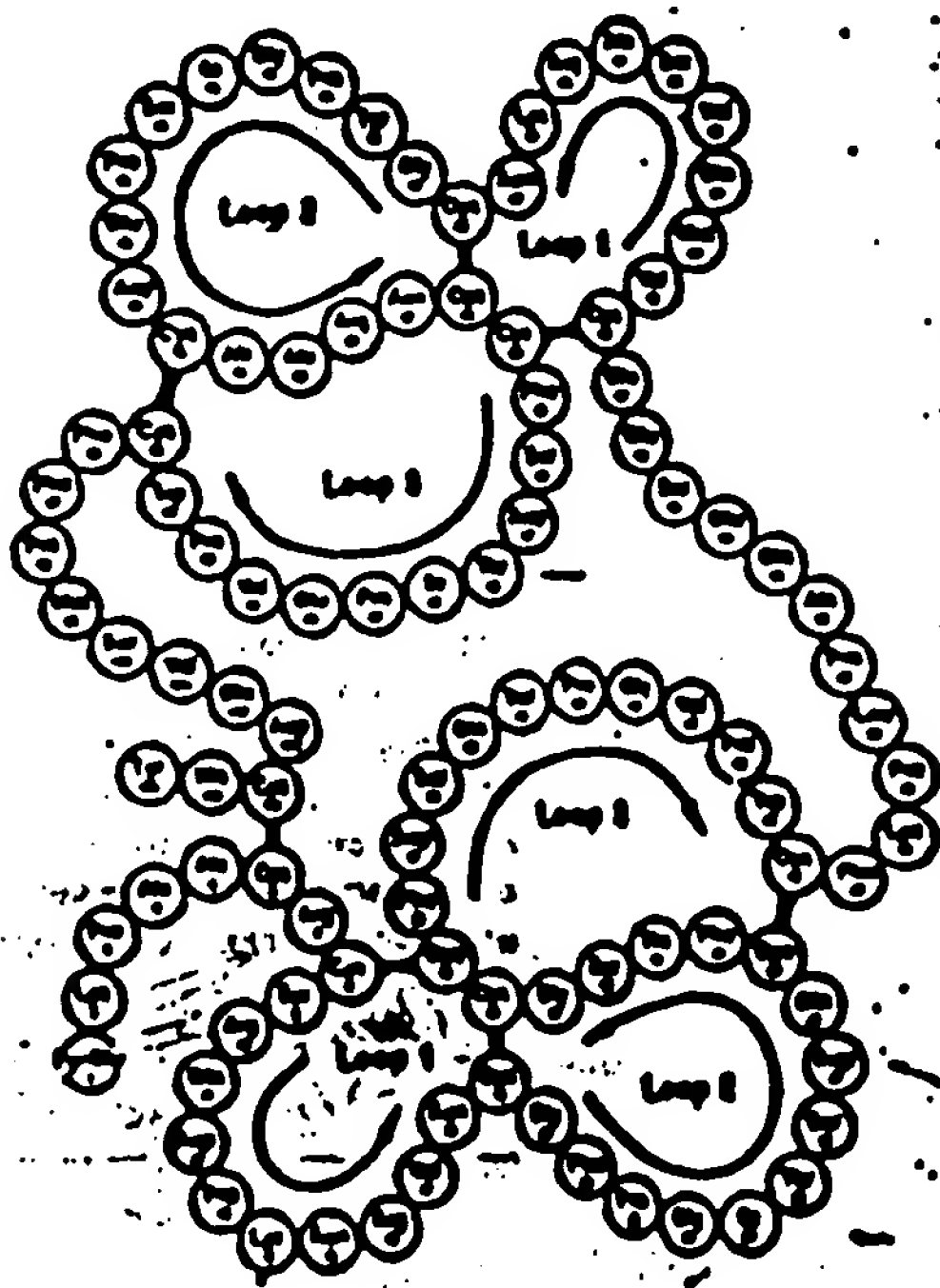


Fig. 4B

Q E F L S P S Q C C G R N N C Q E S T V P T Y D C C F D S I P N Y P W C F K P T Q E C T F

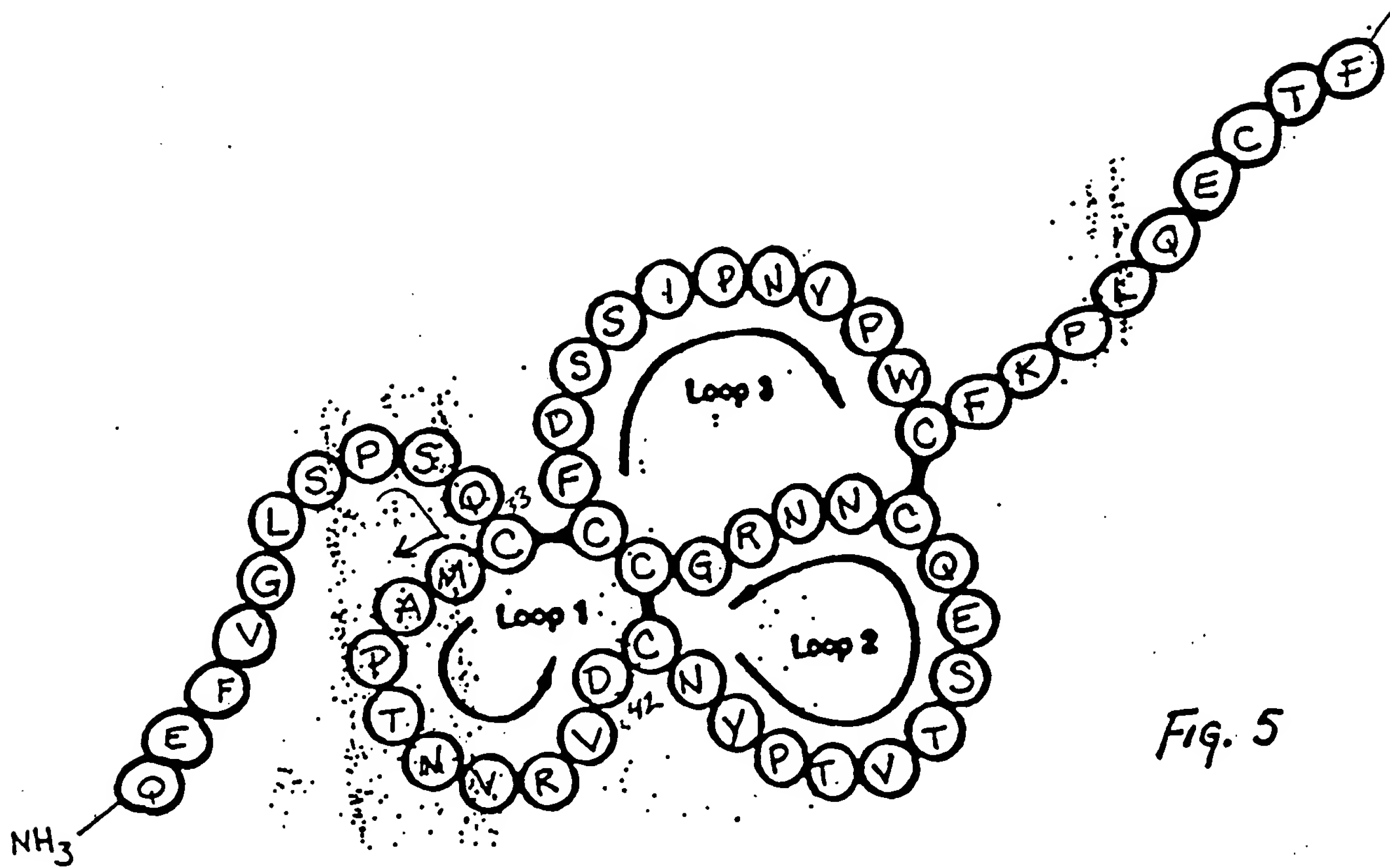


Fig. 5

g atg ctg ggg ctg gtc ctg gcc ttg ctg tcc tcc agc tct gct gag gag	49
Met Leu Gly Leu Val Leu Ala Leu Leu Ser Ser Ser Ser Ala Glu Glu	
1 5 10 15	
tac gtg ggc ctg tct gca aac cag tgt gcc gtg ccg gcc aag gac agg	97
Tyr Val Gly Leu Ser Ala Asn Gln Cys Ala Val Pro Ala Lys Asp Arg	
20 25 30	
gtg gac tgc ggc tac ccc cat gtc acc ccc aag gag tgc aac aac cgg	145
Val Asp Cys Gly Tyr Pro His Val Thr Pro Lys Glu Cys Asn Asn Arg	
35 40 45	
ggc tgc tgc ttt gac tcc agg atc cct gga gtg cct tgg tgt ttc aag	193
Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly Val Pro Trp C P K	
50 55 60	
ccc ctg cag gaa gca gaa tgc acc ttc tgaggcacct ccagctgccc	243
P L Q E A E C T F	
65 70	
ctgggatgca ggctgagcac ccttgcccgg ctgtgattgc tgccaggcac tgttcatctc	303
agtttttctg tccctttgct cccggcaagc tttctgctga aagttcatat ctggagcctg	363
atgtcttaac gaataaaggt cccatgctcc acccgaaaaa	403

FIG. 6

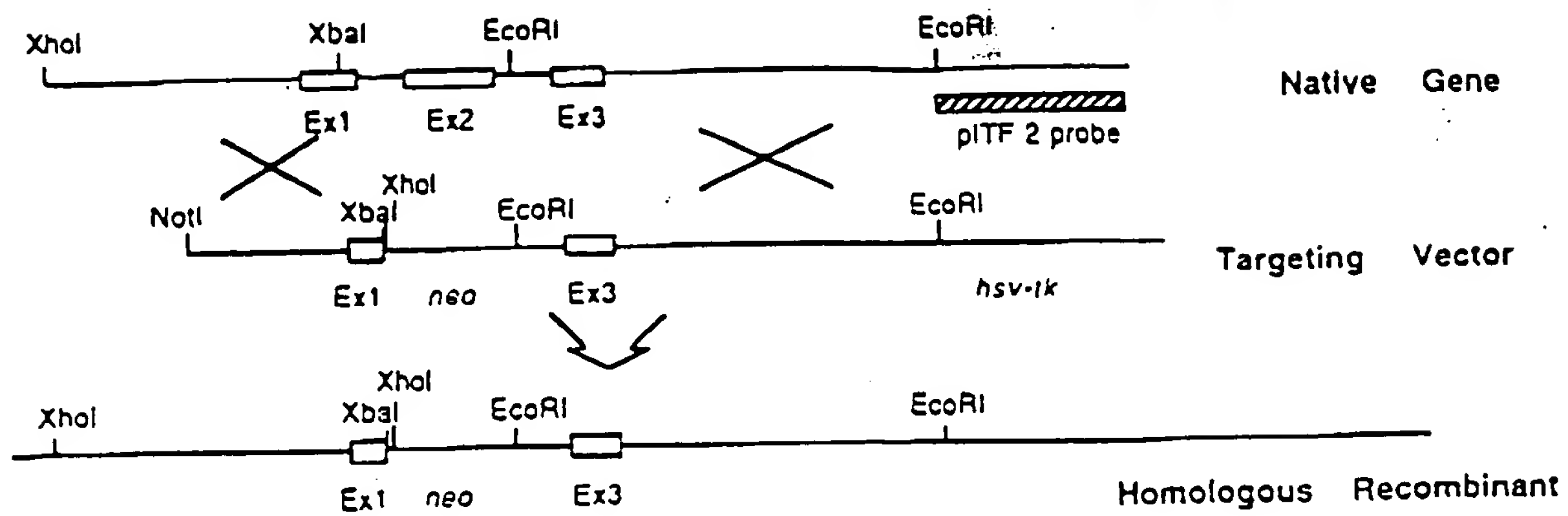


Fig. 7

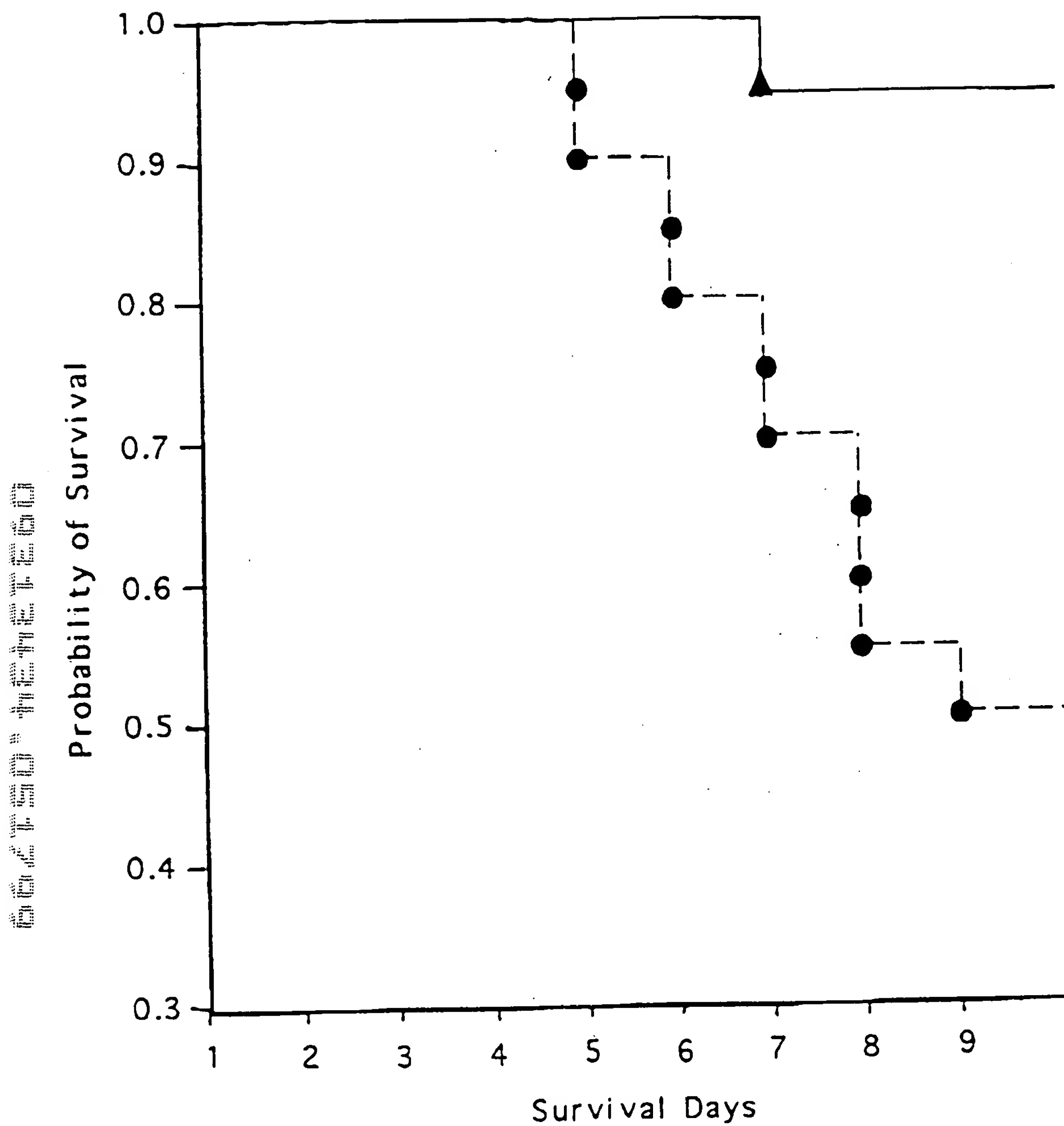


Fig. 8



gag	aaa	ccc	tcc	ccc	tgc	cag	tgc	tcc	agg	ctg	agc
Glu	Lys	Pro	Ser	Pro	Cys	Gln	Cys	Ser	Arg	Leu	Ser
1				5					10		

ccc	cat	aac	agg	acg	aac	tgc	ggc	ttc	cct	gga	atc	acc	agt	gac	cag
Pro	His	Asn	Arg	Thr	Asn	Cys	Gly	Phe	Pro	Gly	Ile	Thr	Ser	Asp	Gln
		15					20					25			

tgt	ttt	gac	aat	gga	tgc	tgt	ttc	gac	tcc	agt	gtc	act	ggg	gtc	ccc
Cys	Phe	Asp	Asn	Gly	Cys	Cys	Phe	Asp	Ser	Ser	Val	Thr	Gly	Val	Pro
	30					35					40				

tgg	tgt	ttc	cac	ccc	ctc	cca	aag	caa	gag	tcg	gat	cag	tgc	gtc	atg
Trp	Cys	Phe	His	Pro	Leu	Pro	Lys	Gln	Glu	Ser	Asp	Gln	Cys	Val	Met
45					50					55					60

gag	gtc	tca	gac	aga	aga	aac	tgt	ggc	tac	ccg	ggc	atc	agc	ccc	gag
Glu	Val	Ser	Asp	Arg	Arg	Asn	Cys	Gly	Tyr	Pro	Gly	Ile	Ser	Pro	Glu
				65					70					75	

gaa	tgc	gcc	tct	cgg	aag	tgc	tgc	ttc	tcc	aac	ttc	atc	ttt	gaa	gtg
Glu	Cys	Ala	Ser	Arg	Lys	Cys	Cys	Phe	Ser	Asn	Phe	Ile	Phe	Glu	Val
			80					85					90		

ccc	tgg	tgc	ttc	ttc	ccg	aac	tct	gtg	gaa	gac	tgc	cat	tac
Pro	Trp	Cys	Phe	Phe	Pro	Asn	Ser	Val	Glu	Asp	Cys	His	Tyr
		95					100					105	

FIG. 9

atccctgact	cggggtcgcc	tttggagcag	agaggaggca	atg	gcc	acc	atg	gag		55						
				Met	Ala	Thr	Met	Glu								
				1				5								
aac	aag	gtg	atc	tgc	gcc	ctg	gtc	ctg	gtg	tcc	atg	ctg	gcc	ctc	ggc	103
Asn	Lys	Val	Ile	Cys	Ala	Leu	Val	Leu	Val	Ser	Met	Leu	Ala	Leu	Gly	
				10				15						20		
acc	ctg	gcc	gag	gcc	cag	aca	gag	acg	tgt	aca	gtg	gcc	ccc	cgt	gaa	151
Thr	Leu	Ala	Glu	Ala	Gln	Thr	Glu	Thr	Cys	Thr	Val	Ala	Pro	Arg	Glu	
			25				30						35			
aga	cag	aat	tgt	ggt	ttt	cct	ggt	gtc	acg	ccc	tcc	cag	tgt	gca	aat	199
Arg	Gln	Asn	Cys	Gly	Phe	Pro	Gly	Val	Thr	Pro	Ser	Gln	Cys	Ala	Asn	
		40					45					50				
aag	ggc	tgc	tgt	ttc	gac	gac	acc	gtt	cgt	ggg	gtc	ccc	tgg	tgc	ttc	247
Lys	Gly	Cys	Cys	Phe	Asp	Asp	Thr	Val	Arg	Gly	Val	Pro	Trp	Cys	Phe	
	55					60					65					
tat	cct	aat	acc	atc	gac	gtc	cct	cca	gaa	gag	gag	tgt	gaa	ttt		292
Tyr	Pro	Asn	Thr	Ile	Asp	Val	Pro	Pro	Glu	Glu	Glu	Cys	Glu	Phe		
	70				75				80							
tagacacttc	tgcagggatc	tgccctgcac	ctgacggggg	gccgtcccca	gcacgggtgat											352
tagtcccaga	gctcgggtgc	cacctccacc	ggacacctca	gacacgcttc	tgcagctgtg											412
cctcgggtca	caacacagat	tgactgctct	gactttgact	actcaaaatt	ggcctaaaaa											472
ttaaaagaga	tcgatattaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa											532
aaaaaaaaa																540

FIG. 10

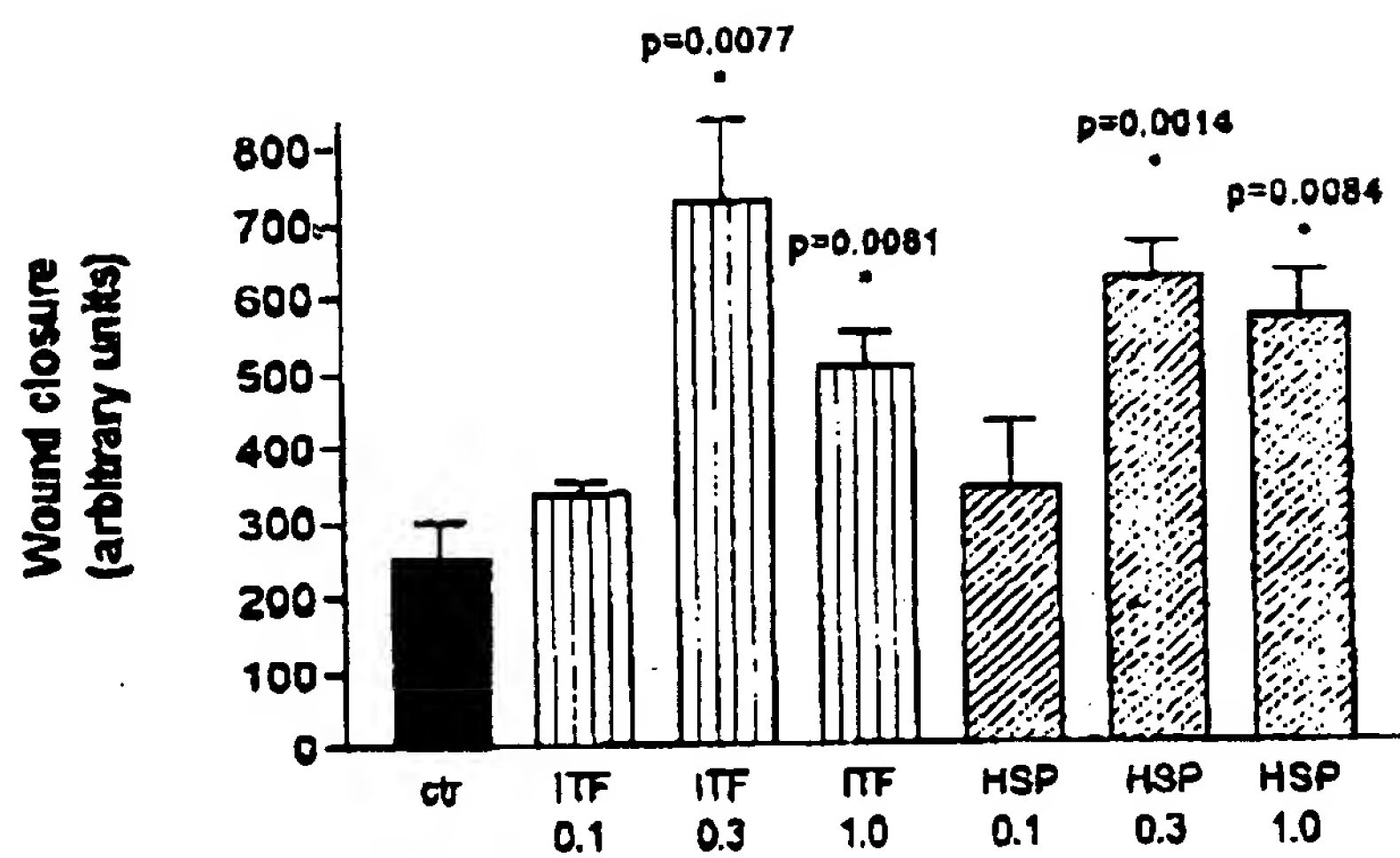


FIG. 11

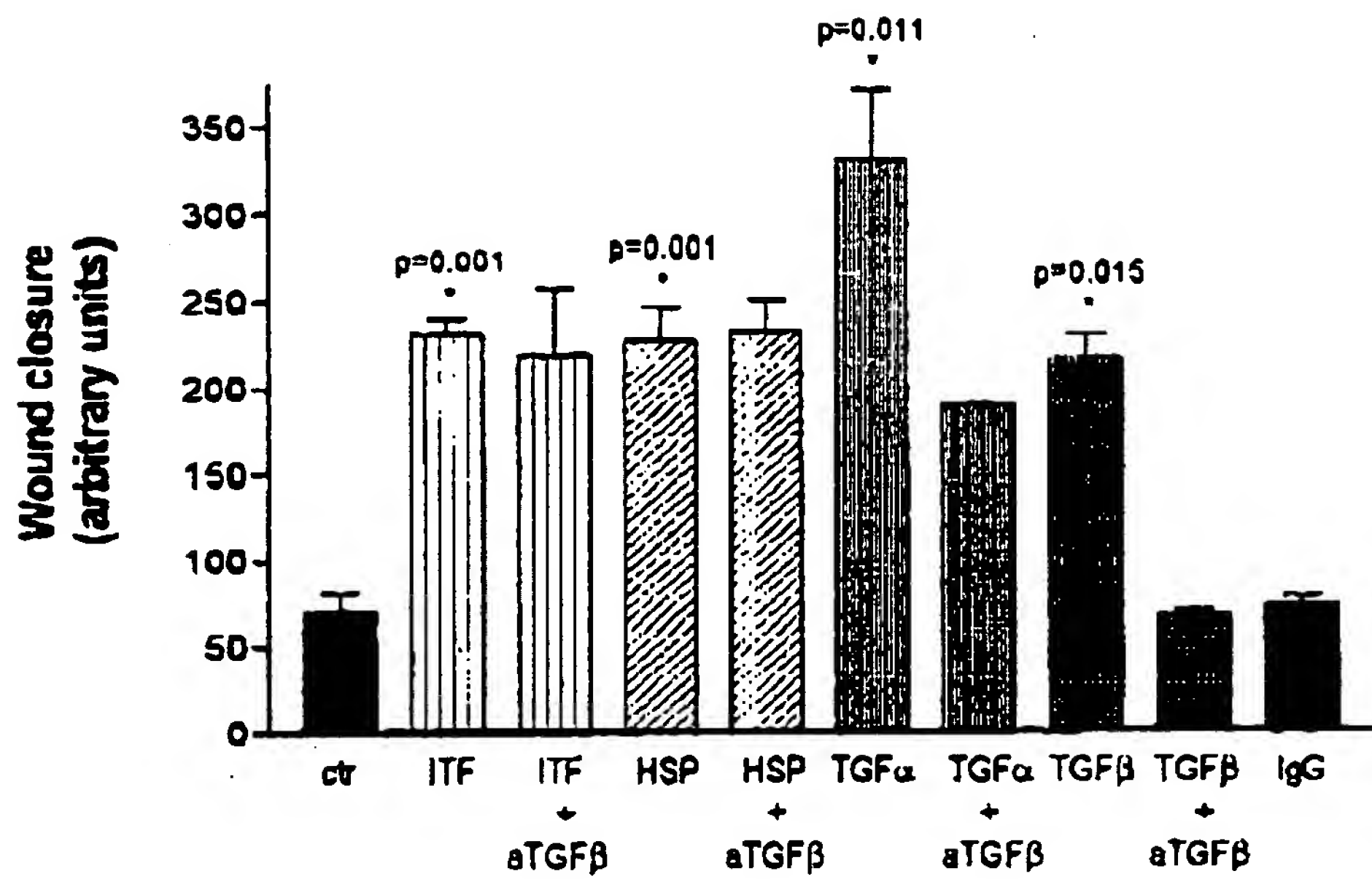


FIG. 12

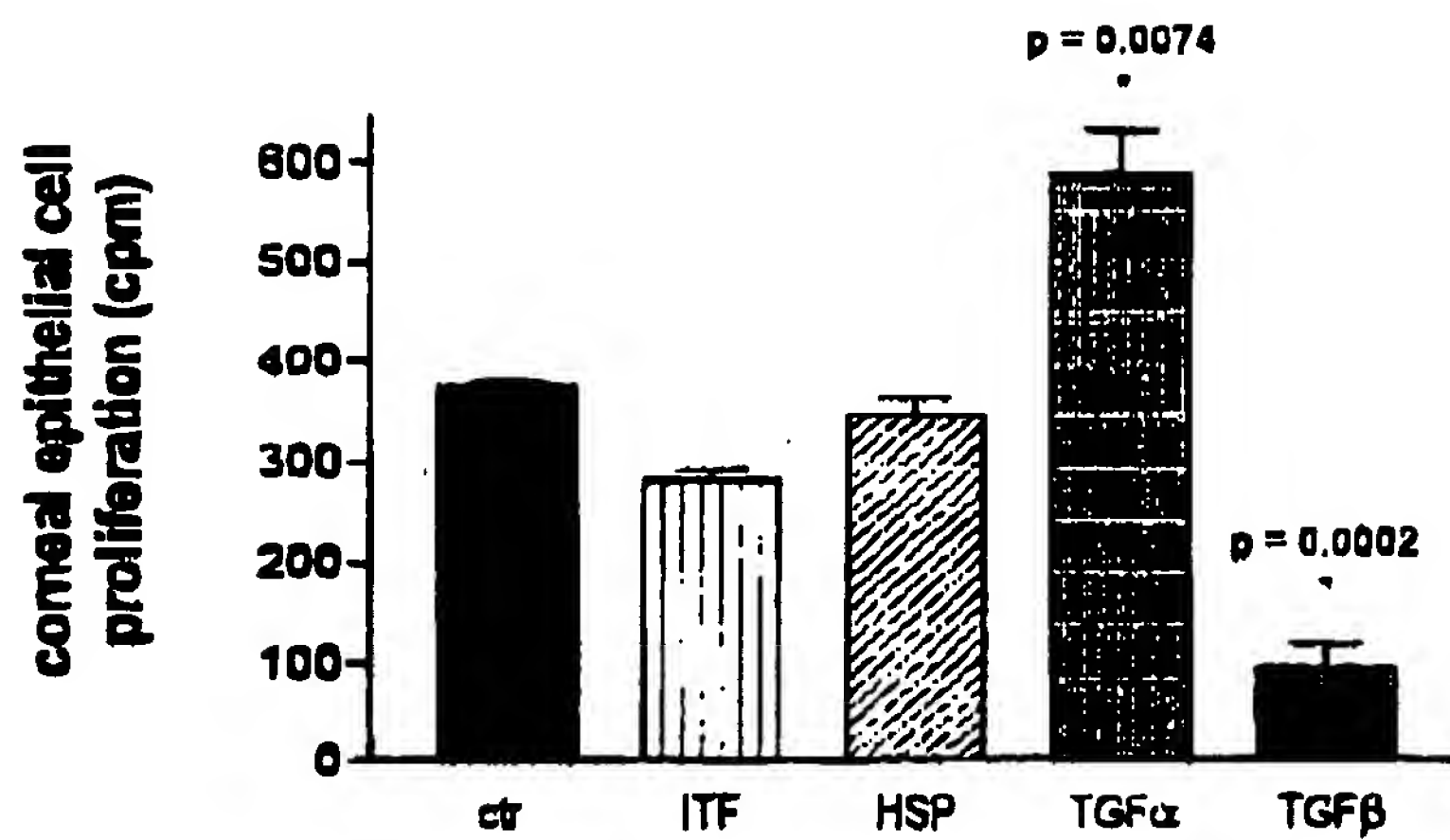


FIG. 13